

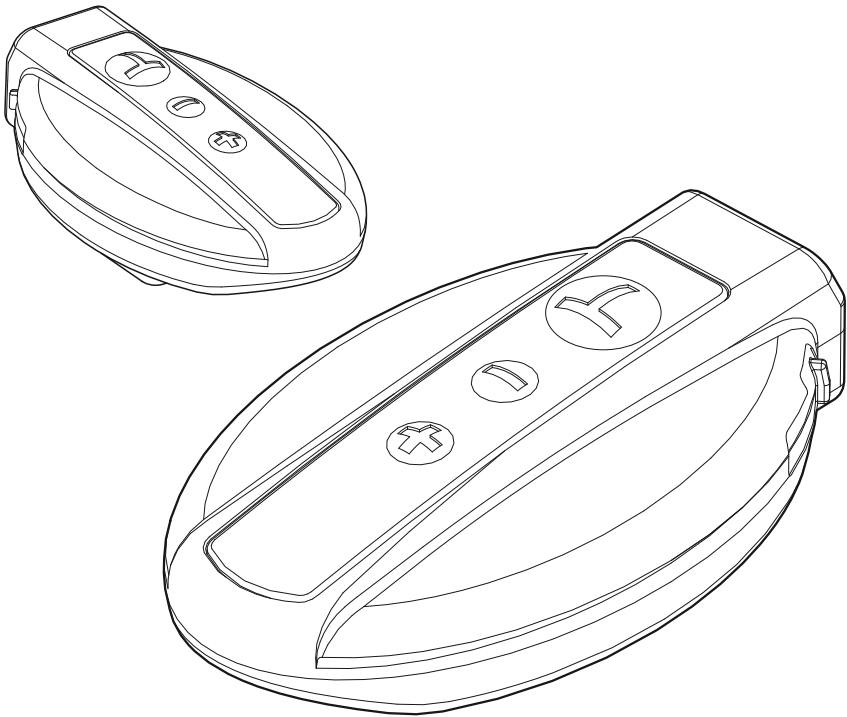
CAMOS

BHS-600 / BHS-500



MOTORCYCLE BLUETOOTH SYSTEM

INSTRUCTION MANUAL



Preliminary Remarks

Thank you for purchasing our product.

This manual is for BHS-600 / BHS-500. Please read this instruction manual thoroughly for proper usages and application before connecting and operating the equipment.

CAMOS owns all intellectual property rights including copyrights instruction manual, hardware and related software of BHS-600 / BHS-500 which will be protected by the Copyright Act. Without CAMOS's written permission, they cannot be copied, re-printed or translated into other languages.

Design and specifications are subject to change with notice.

Warranty

Manufacture would not take any responsibilities on the sales of products nor entrust the responsibilities to the 3rd party. Product warranty shall not apply to any failure or malfunction which results from improper maintenance, operation, unauthorized modification of product.

CAMOS warrants the quality of product for a one year. Though the product is still under warranty period, repairing of products results from any of the following events;

- 1) Improper maintenance**
- 2) Modification or replace of parts in the user's disposition**
- 3) Using improper power source**
- 4) Natural disaster including flood, fire, and earthquake**
- 5) Replacement of expendable parts**

Warranty only covers the manufactured goods. Repairs after warranty period is finished, repairs will be charged to the users. Please contact the distributor and service center for A/S.

SAFETY RULES

Please read the "Safety Rules" carefully before using this product. Following of the safety rules prevents users from any damage related with the misuse of this product. It is very important that users follow these safety rules. We state "Caution" and "Warning" to clarify any potential for damage associated with misuse of the product.

Warning May cause bodily harm or even death if users ignore warnings in the safety rules.



About signs



"Precautions"



"Do Not"













"Follow Directions Carefully"

Caution May cause bodily harm or even death if users ignore cautions in the safety rules.













Warning

-  Place the product where it doesn't prevent the driver from driving.
 - The driver's view of sight should not be blocked.
-  Do not use in bathtub. Do not pull the plug with wet hands.
 - This may cause electric shock.
-  Do not use unapproved power voltage.
 - This may cause fire or electric shock.
-  Do not get product wet and operate with wet hands.
 - This may cause electric shock.
-  Do not use damaged electric cord.
 - This may cause fire and(or) electric shock.
-  Be careful when thunder and lightning occurs.
 - There is a danger of electric shock.
-  Do not get product wet and operate with wet hands.
 - This may cause electric shock.
-  Do not put pins or needles into the product or electric cord of product.
 - If this happens, stop the product operation immediately. Continuous use may cause fire, electric shock and(or) malfunction.
-  Stop using the product immediately when you drop it or damage the outside shell.
 - Continuous use may cause fire, electric shock and(or) malfunction.
-  Do not attempt to open, disassemble or repair the product by any person except an authorized service dealer.
 - This may cause electric shock and(or) malfunction. You should request an authorized service dealer for any inspection and repair of the product.

SAFETY RULES

Caution

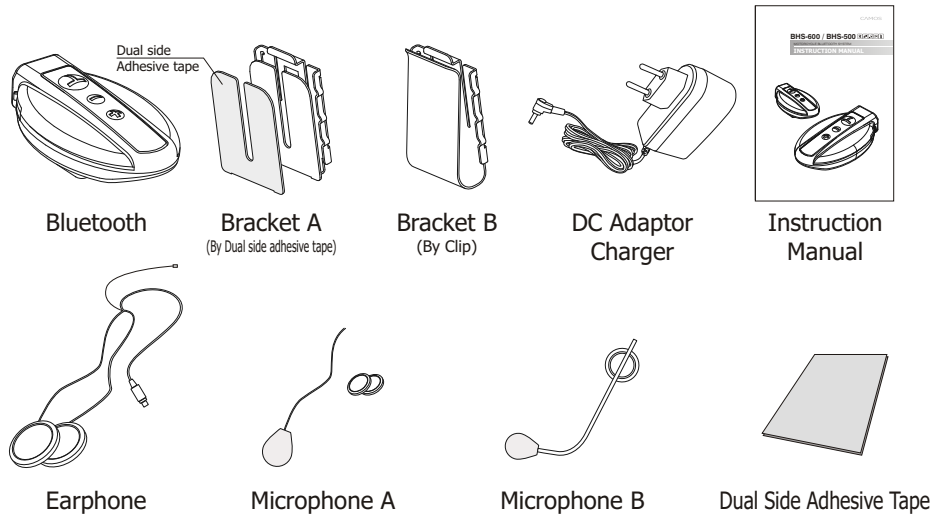
-  Do not put the product in place where sudden temperature increase occurs such as the vehicle's dashboard.
-  Keep the product strongly in the helmet.
 - It may cause to separate from the helmet.
-  Clean the product often.
 - Dust in the area may cause fire.
-  Do not place electric cord near a heating product.
 - The cord surface may melt and cause fire and(or) electric shock.
-  Unplug the product and remove cords when moving.
 - It may damage cords and cause fire and(or) electric shock.
-  Do not pull the cord line when you unplug it.
 - Damaged cords may cause fire and(or) electric shock.
-  Unplug the product when you don't use it for a long time.
 - Damaged cords may cause fire and(or) electric shock.
-  Do not place the product where high temperature and(or) the direct ray of the sun occurs.
 - This may cause fire, electric shock and(or) malfunction.
-  Do not put the product in an unstable place where the product may be exposed to shock and(or) impact.
 - The product may fall and be damaged.
-  Keep electric cord properly positioned.
 - An improperly positioned electric cord may cause fire or electric shock when metal material is in contact with power source.

If you find any strange occurrences or malfunction in the product or any foreign substance gets into the product, please contact the authorized retailer where you purchased the product.

- Do not use the product in the following locations.
 - This may cause malfunction.
 - ▶ In direct rays of the sun and near heating products
 - ▶ High in humidity and with bad ventilation
 - ▶ Dusty or oily locations
 - ▶ Low temperatures
 - ▶ Unstable environment

PREPARATION

• Composition



• Headset charge

Li-Polymer Battery is included to this Headset. Use to fill up perfectly Battery after buying product.

- Display device : RED LED
- When it is charging RED LED is lighted up, and when it is ended RED LED is turned off lights.
- Separate charger and Headset when LED is turned off lights.
- When battery is lack, Beep sound rings until charged.

**Should use the DC adapter provided by CAMOS.
It could be occurred breakdown or damage if use adaptor
that is not approved.**

PREPARATION

• Product function check

Phone Feature

- Auto answer call function
- Dialing function
 - _Last number redialing
 - _Transfer Dialing
 - _Voice Dialing
- End Call function
- Volume control(Up/Down)

Music Feature

- Stop music function
- Play music function
- Volume control(UP/DOWN)

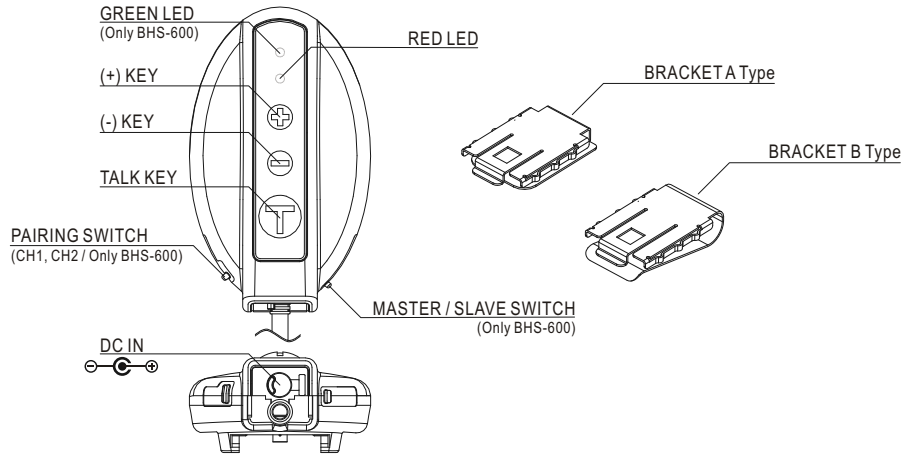
Talk Feature

- Conversation function between Driver and Passenger
- Mobilephone call function during the conversation between the Driver and Passenger. - Since phone call is on priority, the Driver and Passenger conversation will be on mute during the call
- Stop talk function
- Start talk function

PREPARATION

• Name and function of each part

1. Name of each part



2. Function of each part

| No | KEY | FUNCTION | |
|----|-------------------------------|---|---|
| | | CH 1 | CH 2 |
| 1 | (-) KEY | <ul style="list-style-type: none"> Power ON / OFF : Press for 3 sec. Volume Down When disconnected at passage 30 minutes after Link loss state, Reconnecting attempt | <ul style="list-style-type: none"> Volume Down When disconnected at passage 30 minutes after Link loss state, Reconnecting attempt |
| 2 | (+)KEY | <ul style="list-style-type: none"> Volume UP When disconnected at passage 30 minutes after Link loss state, Reconnecting attempt | <ul style="list-style-type: none"> Power ON / OFF : Press for 3 sec. Volume UP When disconnected at passage 30 minutes after Link loss state, Reconnecting attempt |
| 3 | TALK | <ul style="list-style-type: none"> Last number redialing Transfer dialing : Press for 2 sec. Voice dialing : Press for 2 sec. End call | --- |
| 4 | PAIRING (Slide Switch) | CH1 PAIRING (CH2 → CH1 switching) | CH1 PAIRING (CH1 → Ch2 switching) |
| 5 | MASTER / SLAVE (Slide Switch) | --- | Master ↔ Slave switching |
| 6 | RESET KEY | Function that do Power OFF in various active states | |
| / | (-)KEY + (+)KEY | Music Play / Stop : at same time press for 3 sec. | Talk Start / Stop : at same time press for 1 sec. |

• Short press in case there is no specified mention about time.

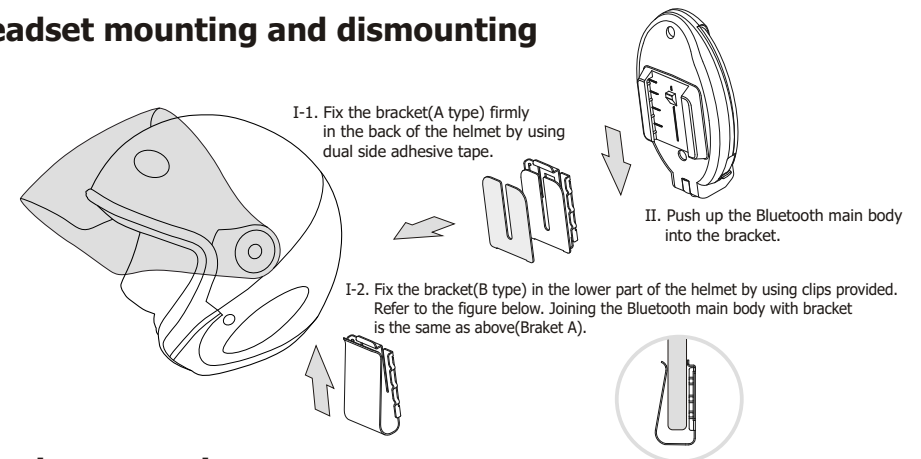
PREPARATION

• KEY operating time and Beep operating state

| Operation state | Operation KEY | KEY operating time | LED(Red) operation | Beep |
|---------------------|-----------------|---------------------|---|------------------------------------|
| CH1 Power ON | (-) KEY | 3 sec. | For 2 sec. lighting then Stand by (RED LED) | DI, RI, RING |
| CH2 Power ON | (+) KEY | 3 sec. | For 2 sec. lighting then Stand by (GREEN LED) | DI, RI, RING |
| Stand - BY | --- | --- | At 100ms once blinking per 1 sec. | |
| CH1 Power OFF | (-) KEY | 3 sec. | At 100ms 2 sec. intervals blinking then lighting-out (RED LED) | DI, RI, RI~ |
| CH2 Power OFF | (+) KEY | 3 sec. | At 100ms 2 sec. intervals blinking then lighting-out (GREEN LED) | DI, RI, RI~ |
| PAIRING Attempt | PAIRING Switch | 3 sec. Later | At 100ms 3 min. blinking → as failed, at 100ms once blinking per 1 sec. | PI, RI, RI, RI, RING |
| PAIRING Done | --- | --- | At 100ms twice blinking per 1 sec. | PI, RI, RI, RI |
| Last Number Dialing | TALK | Short Push | --- | |
| Transfer Dialing | TALK | 2 sec. | --- | |
| Voice Dialing | TALK | 2 sec. | --- | |
| End Call | TALK | Short Push | --- | |
| Music Play / Stop | (-)KEY + (+)KEY | At same time 3 sec. | --- | |
| Talk Start / Stop | (-)KEY + (+)KEY | At same time 1 sec. | --- | |
| Low Battery Warning | --- | --- | Until charging, at 30 sec. intervals Beep | DING, DING, DING 30 sec. Intervals |

- 1) During action, even if SLIDE SWITCH is located to CH1 or CH2, do not return to Pairing even if power goes to OFF → ON.
- 2) When CH1 is pairing with other devices, SLIDE SWITCH position moves to CH2(within 3 seconds) and again moves to CH1. Then after 3 sec. Pairing works.
- 3) CH2 is action equally with upside.

• Headset mounting and dismounting



• Headset custody

- Keep where power secures by state that turn off.
- Keep to avoid high temperature, direct ray of light, lower than 50°C or hot vehicles inside etc. Performance of product is fallen if keep at high temperature and Battery life can decrease.
- Parts offered with product keep in dry place that moisture or moisture does not exist.

OPERATION

● Headset POWER ON/OFF

This Headset is operated particularly CHs with POWER ON/OFF as below.
When POWER ON, press the preferred CH's KEY for 3 sec. then be POWER ON.
Press again for 3 sec. then be POWER OFF.
(Details contents : 5 page KEY operating Time and Beep operating state)

| | CH 1 | CH 2 |
|---------|---|---|
| (-) KEY | · Power ON : Press for 3 sec. · Power OFF : Press for 3 sec. | --- |
| (+) KEY | --- | · Power ON : Press for 3 sec. · Power OFF : Press for 3 sec. |

● Volume UP/DOWN

Press (+)KEY or (-)KEY to control volume while operates.

Volume control is available in operation state.

Remark : The volume lever for the conversation between CH2 is fixed, therefore volume is not adjustable.

● Headset registration and connection method

Should register Headset to Bluetooth device(ex. Cellular phone) to use Headset.
Registration is process connecting via certification that is encrypted between two devices that Bluetooth function is.

- Select "CAMOS BHS-600(BHS-500)" in searched device list.
- Should connect to Bluetooth device that register to connect (or, after connection cancellation) Headset after registration.

1. Connecting Headset with cellular phone

- 1) Power ON Headset CH1[press (-) KEY for 3 sec.].
 - 2) Change [Pairing Switch] to CH2 for Headset CH1's pairing then change again to CH1.
 - 3) Refer to the instruction manual of cellular phone and then connect Headset after searching and registration.
- Refer to the Instruction manual of cellular phone to replay music files that is built-in to cellular phone and to listen to music.
 - In order to disconnect the cellular phone, uncheck the bluetooth option on the cellular phone. Turn the headset power and bluetooth will be automatically connected with audio device when the power is back one.

OPERATION

2. Connecting Headset with Audio Device

- 1) Power ON Headset CH1[press (-) KEY for 3 sec.].
- 2) Change [Pairing Switch] to CH2 for Headset CH1's Pairing then change again to CH1.
- 3) Refer to the instruction manual of Audio device and then connect Headset after searching and registration.

- In order to disconnect the audio device, uncheck the bluetooth option on the audio device. Turn off the headset power and it will be automatically connected when the power is back on.

3. Connecting Headset with Headset : between CH2 and CH2

- 1) On a Headset should change [Master/Slave Switch] toward Slave and Press (+)key for 3 seconds to put the power on. Change [Pairing Switch] toward CH1 then again toward CH2.
- 2) On the other Headset should change [Master/Slave Switch] toward Master and Press (+)key for 3 seconds to put the power on. Change [Pairing Switch] toward CH1 then again toward CH2.

- Connect with CH1 of Headset when use to connect Headset with Bluetooth device. (ex. Cellular phone)
- Connect with CH2 of Headset when use to connect Headset with Headset. (this CH2 of Headset does not available to connect with other Bluetooth devices)
- When connect with a preferred device, at first POWER OFF the connected Bluetooth. (When Headset is already connected with other device it does not operate Pairing Mode)
- Once connected device is connected automatically when POWER ON.

OPERATION

• Function direction

1. To answer the phone

- 1) When completed the connection Headset with Cellular phone, become to answer / to call state.
- 2) The function of Auto Answer Call is included this Headset, does not need additional key operating to answer because is received automatically.
- 3) **Press [TALK KEY] shortly to disconnect on a headset.**

2. To call

1) Last Number Dialing

_Shortly press [Talk KEY] to use the function of last number dialing.

2) Call Transfer

_If press [TALK KEY] for 2 sec. in current cellular phone calling , telephone is connected to Headset.

_If press [TALK KEY] for 2 sec. again, can move to current cellular phone calling.

3) Voice Dialing

_If press [TALK KEY] for 2 sec., voice information is announced.
This time, should operate following voice information to call.

- **Please refer to the instructional manual of each cellular phone for voice dialing. Voice Dialing option of bluetooth is only available for the cellular phones that has the voice dialing option and registered for the stereo headset service.**
- **If cellular phone is disconnected due to the long distant between the headset and cellular phone the call will be automatically connected when these two equipments get near within distance of 10m within 30min.**
- **When 30 minutes are passed, press [(+)KEY or (-)KEY] shortly. It will be re-connected, starting receiving signals again. When failed to connect, POWER OFF then ON again for pairing.**

OPERATION

3. To listen to music

1) To listen to music files stored to a cellular phone through Headset

_Connect Headset with Cellular phone(Audio built-in).

_Please refer to the cellular phone manual to find how to select the "mp3" mode to play.

_To stop the music press [(-)KEY] and [(+)KEY] for 3 sec at same time.

_To play the music again press [(-)KEY] and [(+)KEY] for 3 sec. at same time.

Based on kinds of Cellular phone, maybe only MP3 files are played Check the format if the stored music files are MP3 or not.

2) To listen to music files stored to an Audio Device through Headset

_Connect Headset with an Audio device.

_Please refer to the audio device manual to play the music.

_To stop the music press [(-)KEY] and [(+)KEY] for 3 sec. at same time.

_To listen the music press [(-)KEY] and [(+)KEY] for 3 sec. at same time.

- **Even if press [(-)KEY] and [(+)KEY] for 3 sec. at same time then music is stopped, the Audio Device is playing continuously.**
- **Based on kinds of Cellular phone, maybe only MP3 files are played.**
- **Stopping / Playing by pressing [(-)KEY] and [(+)KEY] for 3 seconds is only possible on "MUSIC MODE".**

4. To talk

_When completed to connect Headset(CH2) with Headset(CH2), become to Talk.

_To stop to Talk, press [(-)KEY] and [(+)KEY] for 1 sec. at same time.

_To talk again, press [(-)KEY] and [(+)KEY] for 1 sec. at same time.

- **The volume of conversation between CH2 is not adjustable.**

OPERATION

5. To talk between music playing

- _Connect Headset with Cellular phone or Audio Device then make to listen to music.
 - _Connect Headset(CH2) with Headset(CH2) then make to Talk.
 - _When sensed the Audio signal while listen to music, Music is in Mute state and become to talk between Headsets.
 - _To stop to talk press [(-)KEY] and [(+)KEY] for 1 sec. at same time. This time, start again after 10 sec. to listen to music of Mute state.
 - _To talk again, press [(-)KEY] and [(+)KEY] for 1 sec. at same time.
- **If CH2 conversation is started in the middle of playing the mp3, the music will turn to mute mode.**
 - **After or during the conversation, if there is no sound for 10 seconds, music will be play with proper volume.**

6. To speak over the telephone between music playing

1) To speak over the telephone between playing music files stored to Cellular phone

- _Connect Headset with Cellular phone built-in Audio, then make to listen to music.
 - _Connect Headset with Cellular phone.
 - _If there is an in-coming call while music is played, the music will be stopped and turn to conversation mode.
- **When the user hangs up the phone call by pressing [TALK KEY] on the headset shortly, the stopped audio device will be back on the playing mode.**
 - **If the user dials to make a phone call by pressing the [TALK KEY], the music would not be played automatically. If the user desires to play the music, press [(+) and (-) KEY] at the same time for 3 seconds.**

2) To speak over the telephone while replay the music files stored to Audio Device

- _At first, register Headset to cellular phone.
- _Release Bluetooth mode of cellular phone.
- _Connect Headset with audio device then make listen to music.
- _Set up Bluetooth ON mode of cellular phone so that connect Headset with cellular phone.
- _When in-coming the signal of cellular phone while listen to music, music is disconnected then start to speak over the telephone.

OPERATION

- **When the user hangs up the phone call by pressing [TALK KEY] on the headset shortly, the stopped audio device will be back on the playing mode.**
- **In order to connect the headset with Audio device and cellular phone at the same times, please use the audio device that only supports the stereo.**
- **When press once [TALK KEY] shortly, the music is disconnected and cellular phone returns to call to last number based on kinds of cellular phone, should press twice [TALK KEY].**
- **If power is turned off or the cellular phone is away from the headset for more than 10m while music is being played, note that these two devices will be disconnected and the music will become mute.**

7. To speak over the telephone between conversation

- _Connect Headset(CH2) with Headset(CH2) then make to Talk.
 - _Connect Headset with Cellular phone.
 - _If there is an in-coming call to the cellular phone, the conversation will be on mute for the cellular phone call.
 - _When the call is hung up, conversation mode will be back on.
- **Conversation and phone call at the same time is not allowed.**

● Battery charging and standard use time

| Charging time | Standard use time | | |
|---------------|-------------------|-----------------------------|---------------------|
| | Stand-BY time | Speak / Play / Conversation | Play + Conversation |
| About 2 hours | 180 hours | 13 hours | 8 hours |

● Specification and Feature

| | |
|------------------------------------|---|
| Device name | Wireless Data Communication System(BHS-600 / BHS-500) |
| Bluetooth version | Version 2.0 |
| Supported Bluetooth profile | HFP, HSP, A2DP, AG profile |
| Frequency range | 2.402 ~ 2.480MHz |
| Transmission output | 0.25 ~ 2.5mW |
| Wireless use distance | At max 10m |
| Dimension | 51(W) x 90(H) x 20.5(D) mm |
| Weight | 120g |
| Operating temperature | -20 ~ 50°C |
| Adapter input | AC 100 ~ 240V, 50/60Hz |
| Adapter output | DC 5V, 500mA |

● FAQ (Frequently Asked Questions)

MEMO

MEMO